

IMR IX616 MULTI GAS DETECTOR

The IX616 portable single gas detector can make continuous detection to combustible and toxic gases. It is suitable for combustible and toxic gas leakage detection in underground pipe or mines, and keeps the workers safe, prevents the facilities from being destroyed. The detector has a high-quality sensor, and uses natural diffusion as the method for detection. It has high sensitivity and reproducibility. The detector uses an embedded MCU controller, and is easy to operate. The shell has special high strength material and anti-slip rubber, and is water-proof, explosion-proof and dust-proof. The alarms are visual, and audible with vibration.



Can store up to 100,000 readings on the internal memory.

Data transfer software and USB cable included.

Backlit LED display.

Gas Ranges:

Target Gas	Detecting Range	Low-Alarm Range	High-Alarm Range	Default Low Alarm	Default High Alarm	TWA Alert	STEL Alert
CH4	0~100%LEL	10%LEL~ 25%LEL	25%LEL~ 80%LEL	20%LEL	50%LEL		
H2S	0~100ppm	5ppm~ 15ppm	15ppm~ 30ppm	10ppm	15ppm	10ppm	15ppm
CO	0~1000ppm	25ppm~ 100ppm	100ppm~ 500ppm	35ppm	200ppm	35ppm	200ppm
O2	0~30% vol	15% vol~ 19.5% vol	22.5% vol~ 24% vol	19.5% vol	23.5% vol		

IMR IX176 Single Gas Detector

- Gas sampling method: natural diffusion
- Gas sensor type: catalytic (for combustible gas) and electrochemical (for H₂S, CO, O₂, NH₃, CO₂, SO₂)
- Accuracy: ±5% FS
- Response time: T₉₀ < 30s
- Alarm sound: ≥85dB @ 1m
- Indication: LCD displays real-time and system status
- LED, audio and vibration alert for gas leakage, fault and low voltage
- Working environment:
 - -20°C to 50°C for toxic gas
 - -40°C to 70°C for combustible gas
- Working humidity: <95% RH (non-condensating)
- Power source: DC3.7V 1,800mAh Lithium battery
- Charging time: 4h~6h
- Working time: ≥8h continuously (without alarming)
- Gas sensor life: 2 years
- Explosion-proof grade: Exia II CT3
- Protection grade: IP66
- Weight: about 220g
- Dimensions: 120 x 68 x 30mm
- Communication: RS 232/USB
- Internal Memory – 100,000 records
- Data transfer software included
- USB cable included
- Charger 110-230V 50/60Hz
- Clip for belt included
- Calibration cover included

Optional Items

- Gas sampling probe
- Carrying case
- Sampling pump

Sampling Pump:

Item#: IX176-Pump

Telescoping Gas Probe:

Probe Length: 100 – 1150mm

Hose Length: 1500mm

Item#: EX660 - Gas probe

Carrying Case:

Item#: IX176-case